

# 11042A PROBE COAXIAL 'T' CONNECTOR OPERATING NOTE

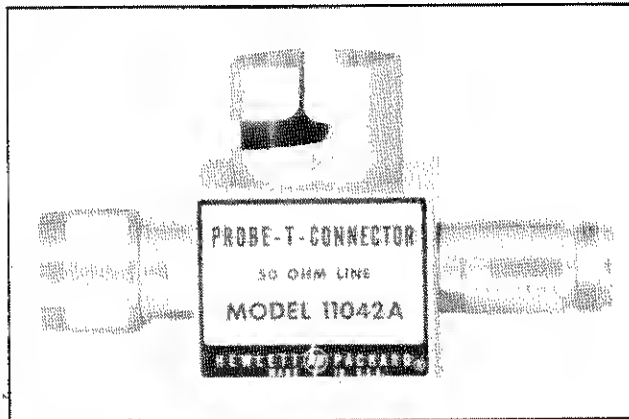


Figure 1. Model 11042A Probe Coaxial "T" Connector

## 1. DESCRIPTION.

2. The Model 11042A Probe Coaxial "T" Connector is an accessory for the Model 410B/C Voltmeter. The Model 11042A is used for measuring voltages between the center conductor and sheath of a 50-ohm transmission line.

## 3. OPERATION.

4. The procedure for connecting the Model 11042A to the transmission line and voltmeter is discussed in the Model 410B/C Operating and Service Manual. Briefly, the procedure is as follows:

- a. The Model 11042A has three connectors: two type N connectors for line connections, and a large socket which accommodates the Model 410B/C AC Probe.

(1) Insert the Model 11042A in the line at the type N connectors (see Figure 1).

(2) Apply signal to the transmission line.

(3) Remove the tip from the Model 410B/C AC Probe, and insert the diode probe in the large socket of the 11042A "T" connector.

## CAUTION

TURN THE PROBE INTO THE "T" CONNECTOR ONLY UNTIL A SIGNAL IS OBSERVED ON THE 410B/C. TURNING THE PROBE ALL THE WAY TO THE STOPS CAN DAMAGE THE CAPACITOR IN THE 11042A.

- b. The voltage at the point where the Model 11042A is inserted in the line can be read directly on the Model 410B/C AC scale.

## SPECIFICATIONS

FREQUENCY RANGE: 100 Hz to 1000 MHz

STANDING-WAVE RATIO: Maximum at 500 MHz: 1.1  
Maximum at 1000 MHz: 1.2

LINE CONNECTORS: Type N male  
Type N female

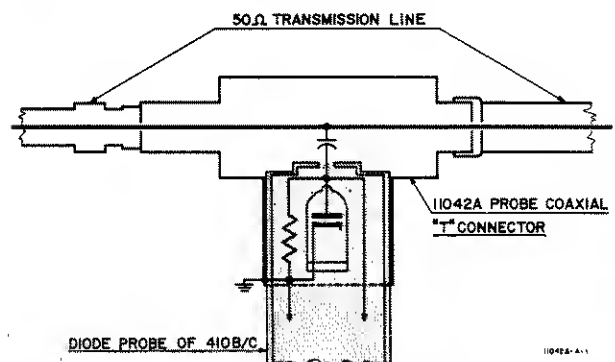


Figure 2. Connection of Model 410B/C AC Probe to Model 11042A "T" Connector, Schematic Presentation.

11042-90000

7 April 1969

Printed in U.S.A.

**hp** HEWLETT  
PACKARD

FOR MORE INFORMATION, CALL YOUR LOCAL HP SALES OR SERVICE OFFICE or East (201) 265-5000 • Midwest (312) 255-9800 • South (404) 955-1500 • West (213) 970-7500 or (415) 968-9200; OR WRITE, Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304. IN EUROPE, CALL YOUR LOCAL HP SALES OR SERVICE OFFICE OR WRITE, Hewlett-Packard S.A., 7, rue du Bois-du-Lan, P.O. Box CH-1217 MEYRIN 2 -Geneva, Switzerland. IN JAPAN, Yokogawa-Hewlett-Packard Ltd., 9-1, Takakura-cho, Hachioji-shi, Tokyo, Japan 192.